



PTO/SB/21 (08-03)

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**TRANSMITTAL
FORM**

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/668,909
	Filing Date	September 23, 2003
	First Named Inventor	Rune Mittet
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	PGS-03-03US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Other: - Transmittal Letter - Cited References - Return Postcard		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	E. Eugene Thigpen		
Signature			
Date	December 1, 2003		

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Typed or printed name	E. Eugene Thigpen		
Signature		Date	December 1, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Rune Mittet

Serial No. 10/668,909

Filed: September 23, 2003

Title: METHOD FOR SEISMIC
MIGRATION USING EXPLICIT
DEPTH EXTRAPOLATION
OPERATORS WITH
DYNAMICALLY VARIABLE
OPERATOR LENGTH

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Group Art Unit:

Examiner: Unknown

Atty Docket No. PGS-03-03US

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E. Eugene Thigpen
E. Eugene Thigpen

Date: December 1, 2003

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)

Sir:

The Applicant respectfully submits herewith an Information Disclosure Statement citing copies of references (C1-C7).

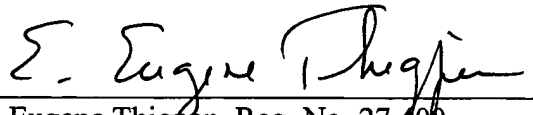
This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. § 1.16 to 1.21 be deemed

necessary for any reason the Commissioner is authorized to deduct the fees from Petroleum Geo-Services, Inc.'s Deposit Account 50-2223.

Respectfully submitted

Date: December 1, 2003


E. Eugene Thigpen, Reg. No. 27,400

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Houston, TX 77242-2805
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Substitute for form 1449A/PTO



**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Page 1 of 2

Atty. Docket No.
PGS-03-03US

Serial No. **10/668,909**

Applicants
Rune Mittet

Examiner Name
Unknown

Filing Date:
September 23, 2003

Group Art:

U.S. Patent Documents
See Page 1

Foreign Patent Documents
See Page 2

Other Art
See Page 2

U.S. Patent Documents

Exam. Init.	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
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	A14				
	A15				
	A16				
	A17				
	A18				
	A19				
	A20				

Examiner:

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EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Page 2 of 2

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Group Art:

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See Page 1

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See Page 2

Other Art

See Page 2.

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						
	B4						
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	G. BLACQUIÈRE, H.W.J. DEBEYE, C.P.A. WAPENAAR, A.J. BERKHOUT, "3-D table-driven migration", Geophysical Prospecting, 1989, pages 925-958, Vol. 37
	C2	DAVE HALE, "3-D depth migration via McClellan transformations", Geophysics, November 1991, pages 1778-1785, Vol. 56, No. 11
	C3	O. HOLBERT, "Towards optimum one-way wave propagation", Geophysical Prospecting, February 1988, pages 99-114, Vol. 36, No. 2
	C4	RUNE MITTET, "Explicit 3D depth migration with a constrained operator", SEG International Exposition and 72 nd Annual Meeting, October 2002, four pages
	C5	A. SOLLID, B. ARNSTEN, "Cost effective 3D one-pass depth migration", Geophysical Prospecting, October 1994, pages 755-776, Vol. 42, No. 7
	C6	ROBERT SOUBARAS, "Explicit 3-D Migration Using Equiripple Polynomial Expansion and Laplacian Synthesis", 62 nd Annual Meeting, Society of Exploration Geophysicists, Expanded Abstracts, October 1992, pages 905-908
	C7	ROBERT SOUBARAS, "Explicit 3-D Migration Using Equiripple Polynomial Expansion and Laplacian Synthesis", Geophysics, September-October 1996, pages 1386-1393, Vol. 61, No. 5

Examiner:**Date Considered:**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.